

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Toshimi FUKUI

Serial No.: 09/714,820

Filed: November 17, 2000



Group Art Unit: 2834

Examiner: T.M. Dougherty

For: PIEZOELECTRIC ELEMENT, PROCESS FOR PRODUCING THE PIEZOELECTRIC ELEMENT, AND  
HEAD FOR INK-JET PRINTER USING THE PIEZOELECTRIC ELEMENT

RECEIVED  
OCT 17 2003  
TC 2800 MAIL ROOM

THE COMMISSIONER FOR PATENTS AND TRADEMARKS  
Washington, DC 20231

Dear Sir:

Transmitted herewith is an Amendment in the above identified application.

☐  
☐  
☐

No additional fee is required.

Applicant is entitled to small entity status under 37 CFR 1.27

Also attached:

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	15	20	0	\$18.00 =	\$0.00
Independent Claims	2	3	0	\$84.00 =	\$0.00
Multiple claims newly presented					\$0.00
Fee for extension of time					\$110.00
Total of Above Calculations					\$0.00
					\$110.00

☒ Please charge my Deposit Account No. 500417 in the amount of \$110.00. An additional copy of this transmittal sheet is submitted herewith.

☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 500417, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

MCDERMOTT, WILL &amp; EMERY

Bernard P. Codd

Registration No. 46,429

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
(202) 756-8000 BPC:rrh  
Facsimile: (202) 756-8087  
Date: October 11, 2002

Docket No.: 50059-052



#12/B  
Hawkins  
RECEIVED PATENT  
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THE PIEZOELECTRIC ELEMENT

AMENDMENT

Commissioner for Patents  
Washington, DC 20231

Sir:

The following Amendments and Remarks are respectfully submitted in response  
to the Office Action dated June 13, 2002.

IN THE SPECIFICATION:

Please replace the paragraph beginning on page 5, line 1, with the following  
rewritten paragraph:

B' --An invention according to claim 5 provides the piezoelectric element according  
to any of claims 1 to 4, in which the piezoelectric film is formed of PZT expressed by a  
chemical formula,  $\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$  ( $0.1 \leq x \leq 1$ ) or formed of a material mainly composed of  
PZT.--